

Title (en)
LINING STRUCTURE

Title (de)
AUSKLEIDUNGSSTRUKTUR

Title (fr)
STRUCTURE DE REVÊTEMENT

Publication
EP 3012017 A4 20170329 (EN)

Application
EP 14813063 A 20140212

Priority
• JP 2013127541 A 20130618
• JP 2014053130 W 20140212

Abstract (en)
[origin: EP3012017A1] Damage of a lining member is prevented through mitigation of stress concentration due to a difference in thermal expansion. A lining structure 1 of a lining member 20 is provided on a base material 10 of an insertion tube 3 used for adding a chemical to a reaction vessel 2 for leaching under high temperature and high pressure. The base material 10 has a tube section 11 and a flange section 12. The lining member 20 is provided on the base material 10 and formed of a material different from that of the base material 10, and has a tube section lining section 21 provided on the tube section 11 and a flange lining section 22 provided on the flange section 12. A chamfer section 13 is formed on the flange section 12. The tube section lining section 21 is protruded to the same height as a flat surface 22a of the flange lining section 22. The flange lining section 22 has a curved surface section 24 protruded toward the base material 10 side on the chamfer section 13 and is welded to a protruding section of the tube section lining section 21 that protrudes from a slant surface 13a of the chamfer section 13.

IPC 8 full level
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B01J 3/02 (2013.01 - EP US); **B01J 4/001** (2013.01 - US); **B01J 19/02** (2013.01 - EP US); **B01J 2219/0236** (2013.01 - EP US); **B29C 63/34** (2013.01 - EP US); **F16L 58/08** (2013.01 - EP US); **Y02P 10/20** (2015.11 - EP)

Citation (search report)
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